

OCCUPATIONANL HEALTH

FINAL EXAM - Serotonin batch

إعداد :



1) Occupational exposure to cotton dust causes?

- a. Byssinosis
- b. Bagassosis
- c. Anthracosis
- d. Silicosis
- e. Asbestosis

2) All the followings are "SKY 1005 for Hyperbaric Environment EXCEPT?

- a. Marine plology
- b. Aviators and astronauts
- c. Sport Diving
- d. Aquaculture
- e. Rescue marine operations

3) Wthh one of the following statement about ergonomics IS INCORRECT?

- a. Ergonomics seeks to adjust worker to the tasks through job specification
- b. The word ergonomics is derived from the Greek language (Ergon) for work; and nomos means laws
- c. Basically. work related injuries show their effects mainly after some time
- d. People working at ergonomic workstations are less likely to experience physical stress
- e. Ergonomics discusses the physical condition of the workplace such as the workstation and work equtpment

4) All workplaces should develop infection control plans for COVID 19 including all the following details EXCEPT?

- a. Providing clean and well maintained hand washing facilities.
- b. Clean hands at the door and schedule hand washing reminders by email
- c. Providing magazines and papers at waiting areas or common rooms
- d. Offering alcoholbased hand sanitizers when regular facilities are not available (or to field staff and those on the road).
- e. Providing sufficient boxes of tissues and encourage their use.



5) Following are the common animal reservoirs for Q fever EXCEPT?

- a. Cattle.
- b. Sheep.
- c. Rats
- d. Dogs
- e. Goats

6) Respirable dust, responsible for pneumoconiosis, has a size limit of?

- a. 5 micron
- b. Less than 10 micron
- c. 15 micron
- d. Less than 5 micron
- e. Less than 50 micron

7) COVID 19 are generally thought to spread by respiratory droplets When people are in Close contact, examples Of Close contact include all the following EXCEPT?

- a. Having cared for a person known to have the virus. including being within 2 meters.
- b. Having cared or lived with a person known to have the virus within the same room or care area.
- c. Having lived with a person known to have the virus without wearing personal protective equipment.
- d. Direct contact with excretions like urine, breast milk, or semen by someone affected by the virus
- e. When a person touches a surface contaminated with infectious fluids and then touches their mouth, nose, or eyes.

8) Regarding Whole Body Vibration. the least acceptable range of frequencies at all acceleration and durations of exposure according to the international Standards Organization is?

- a. 8 to 15 HZ
- b. 1 to 3 HZ
- c. 20 to 30 HZ
- d. 4 to 8 HZ
- e. 35 to 40 HZ

9) The ambient pressure with which we normally reside is defined (at sea level) as?

- a. One atmosphere of barometric pressure (10 mmHg at 100 meter of sea water)
- b. One atmosphere of barometric pressure (100 mmHg at 10 meter of sea water)
- c. One atmosphere of barometric pressure (33 mmHg at 30 meter of sea water)
- d. One atmosphere of barometric pressure (150 mmHg at 2 meter of sea water)
- e. One atmosphere of barometric pressure (760 mmHg at 0 meter of sea water)

10) Which one of the following statements is INCORRECT regarding criteria air pollutants?

- a. The most visibility problems caused by the particulate matter.
- b. Carbon Monoxide binds to hemoglobin in red blood cells, interfering with oxygen transport.
- c. The main source of Carbon Monoxide results from the unpaved road and construction.
- d. The biggest source of lead results from using leaded gasoline.
- e. Ozone molecule made of three oxygen atoms.

11) With respect to occupational health, the periodic medical examination is?

- a. Carried out for a specific group
- b. Carried out every week
- c. Carried out every six years
- d. A screening exam
- e. Past and present occupational history is essential to be recorded properly

12) In respect to the Q fever vaccine, one is not correct statement?

- a. it is highly effective in preventing Q fever infection in humans.
- b. About 10% of the vaccine recipients will have a serious side effects
- c. The dose is a single injection.
- d. Pre vaccination screen is needed
- e. The vaccine is long-lasting immunity

13) Protecting workers against biological hazards. the first line of defence is?

- a. Personal hygiene
- b. Personal protective equipment
- c. Engineering controls
- d. Administrative controls
- e. Adequate supervision

14) "Snow-storm" appearance in chest X ray is seen in?

- a. Anthracosis
- b. Byssinosis
- c. Bagassosis
- d. Silicosis
- e. Asbestosis

15) Which is not included in pneumoconiosis?

- a. Asbestosis
- b. Bagassosis
- c. Anthracosis
- d. Silicosis
- e. Psittacosis

16) All the followings are Ergonomic problems indicators EXCEPT?

- a. Employee complaint
- b. Good quality
- c. increased incidence of cumulative trauma disorders
- d. Employee generated changes
- e. Absenteeism and high turn over

17) One is not a correct answer regarding the source of Q fever infection?

- a. inhalation of contaminated dust.
- b. Contact with contaminated animal's birthing products.
- c. Drinking unpasteurized milk
- d. Tick's bite from an infected animal.
- e. Man to man transmission

18) Regarding the distress, at the workplace, one statement is not correct?

- a. Worker's experience by an optimum level of arousal
- b. Personal characteristics of the worker
- c. Worker's experience by a high level of arousal
- d. Worker's experience by a low level of arousal
- e. Little Support the worker by his/her supervisors

19) Silicosis occurs With exposure to?

- a Cotton
- b. Sugarcane fibres
- c Carbon particles
- d. Silica fibres
- e Hydrated magnesium silicate

20) When the human body is exposed to altered environmental pressure (rapid changes) and from the resulting abnormal behavior of gases in the body, this medical condition called?

- a. Subcutaneous Emphysema
- b. Gastric Rupture
- c. Dysbarism
- d. Pneumothorax
- e. Decompression chamber

21) Hand-arm vibration Control include all the followings EXCEPT?

- a. Pre-employment examination. those with Raynaud's disease must not work with vibratory hand tool
- b. Workers should use special gloves which use special viscoelastic materials to damp vibration
- c. Let the tool do the work, grasping it as lightly as it is safe to do so
- d. Use the tool only when absolutely necessary
- e. Keep the hands cold and wet

22) The narcotic effect (Nitrogen Narcosis) is believed to be exacerbated by all of the following conditions EXCEPT?

- a. Hypercarbia
- b. Fatigue
- c. Strenuous Activity
- d. Hot Water
- e. Alcohol Consumption

23) Following are the modes of infection in Anthrax EXCEPT?

- a. Gastro intestinal ingestion of a contaminated
- b. Respiratory inhalation
- c. Cutaneous skin contact
- d. injection
- e. direct person to person transmission person

24) Regarding the anthrax vaccine one is incorrect statement?

- a. Given intramuscularly
- b- Given as a five shots in a pre-exposure condition
- c. Given during a period of, one and a half year
- d. No need for a booster dose
- 6. Given as three shots in case of post-exposure

25) In occupational health. the most effective control measure in the hierarchy of control is?

- a. Medical control
- b. Hygienic control
- c. Personal control
- d. Administrative control
- e. Engineering control

26) Effect of vibration depend on the following factors EXCEPT?

- 3. Duration or exposure
- b. Intensity of vibration
- c. Frequency of vibration expressed in Hertz
- d. Direction of vibration
- e. Human immunity

27) Lead poisoning in industries commonly occurs through?

- a. Ingestion
- b. Skin absorption
- c. Inhalation
- d. conjunctival route
- e. Faecal-oral

28) The median dose associated with the death of 10 percent of the exposed population to a chemical expressed as?

- a. ED10 (Effective Dose)
- b. LD90 (Lethal Dose)
- c. TD10 (Therapeutic Dose)
- d. LD10 (Lethal Dose)
- e. ED90 (Effective Dose)

29) According to Doll and peto study, Tobacco related cancer contribute to?

- a. 10 percent to 15 percent of all cancers
- b. 2 percent to 8 percent of all cancers
- c. 1 percent of all cancers
- d. 20 percent to 24 percent of all cancers
- e. 25 to 40 percent of all cancers

30) Particle size (in micron) at which the dust particles gets lodged In the respiratory tract?

- a. 0.5-3
- b. 5-10
- c. 0.5-.0.1
- d. 3-5
- e. 1-5

31) The most important range of human speech reception is between?

- a. 100 to 300 HZ
- b. 500 to 3000 HZ
- c. 2000 to 19000 HZ
- d. 80 to 1000 HZ
- e. 6000 to 12000 HZ

32) Heat releases by the following means EXCEPT?

- a. Coagulation
- b. Convection
- c. Radiation
- d. Evaporation
- e. Conduction

33) In occupational exposure to toxic Metals the engineering controls Include all Except?

- a. Substitution of a toxic materials
- b. Isolation of the processes which give rise to harmful effects
- c. Modification of the equipment and/or process
- d. Adequate local exhaust ventilation system to remove dust & fumes
- e. Adequate washing facilities in industry

34) All are people at risk of acquiring anthrax EXCEPT?

- a. Persons who work with animals or animal products.
- b. Medical staff
- c. Postal workers.
- d. Military personnel.
- e. Family members of, farmer or rancher

35) which IS INCORRECT statement about Decompression sickness?

- a. The high protein content of nervous tissue combined with the high fluid solubility of Nitrogen may account for its vulnerability to bubble formation
- b. Severity of Decompression sickness depend on size and rate of growth of bubbles
- c. Decompression sickness results from mechanical and physiopathologic effect of expanding gases
- d. Bubbles occur intra and extravascularly and even intracellularly
- e. Decompression sickness occurs upon return from a hyperbaric exposure

36) One statement is not correct regarding the cutaneous anthrax?

- a. it is constituted of more than 90% of anthrax cases
- b. It is the least dangerous form of anthrax
- c. With a treatment It's mortality rate about 20%,
- d. It looks like an ulcer with a black centre
- e. It is Painless ulcer

37) Segmental vibration injury (White Fingers Disease) can occur with frequencies from?

- a. 50 to 200 HZ band
- 0. 100 to 150 HZ band
- c. 300 to 500 HZ band
- d. 150 to 300 HZ band
- e. 500 to 800 HZ band

38) Whole Body Vibration (WBV) may occurred among all the following high risk groups EXCEPT?

- a. Truck Drivers
- b. Heavy Equipment Operators
- c. Health Care Workers
- d. Miners
- e. Farmers

39) Acute Acoustic Trauma (AAT) result at noise level in the range of?

- a. 100 to 120 dB
- 0. 90 to 110 dB
- C. 140 to 160 dB
- d. 110 to 130 dB
- e. 85 to 115 dB

40) Lead levels below in non-exposed person are correct EXCEPT?

- a. Lead level in urine 0.2 mg/L
- b. Coproporphyrin in urine is <150 µg/L
- c. Amino levulinic acid in urine is ≤ 5mg/L
- d. Lead level in blood > 70 µg/100ml
- e. Lead level in blood is 3 µg/dL

41) One is FALSE regarding factors influencing the exchange of heat between an occupational worker and his environment?

- a. Air pressure
- b. Air temperature
- c. Relative humidity
- d. Temperature of surrounding objects
- e. Sun's radiant heat

42) All the following measures are recommended to minimize the Whole Body Vibration exposure effects EXCEPT?

- a. Use face mask and long sleeve gowns
- b. Do not remain on a Vibrating surface any longer that absolutely necessary
- c. Carefully maintain vibration sources to prevent excessive vibration from developing
- d. Use vibration isolated suspended or air ride seats for vehicle drivers
- e. Do not lift objects immediately after emerging from the vehicle after a long ride

43) A 40 year old man. working in a coal mine since 15 years developed cough, dyspnoea on exertion and chest pain. His chest X-ray showed 'snow — storm" appearance in lung fields. The most likely diagnosis is?

- a. Anthracosis
- b. Silicosis
- c. Asbestosis
- d. Siderosis
- e. Byssinosis

44) Regarding Asbestosis one statement is true?

- a. Clubbing of the Fingers is a known feature
- b. Tissue biopsy is required for diagnosis
- c. Radiographic abnormalities are more common in upper lung zone
- d. Chest radiography showing Eggshell calcification
- e. Lung function test normally revealed obstructive pattern

45) The primary or First Leading cause of death due to nitrogen narcosis is?

- a. Subcutaneous Emphysema
- b. Decompression sickness
- c. Drowning
- d. Barotrauma
- e. Gastric Rupture

46) Design of physical working conditions include all the followings EXCEPT?

- a. Lighting
- b. Early reporting of sign and symptoms
- c. Level of comfort
- d. Temperature
- e. Noise level

47) Wrist drop may be caused as industrial hazard in?

- a. Gas industry
- b. Asbestos, industry
- c. Battery industry
- d. Aniline industry
- e. Iron factories

48) Risk group for of acquiring Q Fever?

- a. farmers
- b. Veterinarians
- c. People who work in the dairy industry
- d. Postal workers
- e. People who live close to a farm

49) Heat Syncope characterized by the following features EXCEPT?

- a. Pulse may be weak
- b. Skin is not and dry
- c. Sudden unconsciousness secondary to cutaneous vasodilatation and decreased cerebral perfusion and hypotension
- d. SBP is less than 100 mmHg
- e. Skin is cool and moist

50) According to the OSHA regulations for noise levels the Permissible Exposure Level (PEL) is?

- a. 100 dB
- b. 50 dB
- c. 90 dB
- d. 80 dB
- e. 115 dB

51) Heat Cramps characterized by the followings EXCEPT?

- a. Body temperature is very high
- b. Excessive salt lose
- c. Heat exhaustion may be present
- d. Avoided by acclimation, proper nutrition and hydration
- e. Painful cramps of muscles usually in arms, legs and stomach area

52) Minimum duration to developing coal minor pneumoconiosis?

- a. 2-4 years
- b. 4-6 years
- c. 8 years
- d. More than 10 years
- e. 10 months

53) A case of poly-neuropathy occurred as a result of exposure to a mercury, one of the following is the correct result of his urinary mercury level?

- a. 37 micrograms of mercury/gram of creatinine in the urine
- b. 35 to 50 micrograms/gram of creatinine
- c. 105 micrograms/gram of creatinine
- d. 100 micrograms/gram of creatinine
- e. 50 micrograms/gram of creatinine

54) All of the following features are suggestive of asbestosis except?

- a. The disease progresses even after removal of contact
- b. Occurs within five years of exposure
- c. Can lead to pleural mesothelioma
- d. Sputum contains asbestos bodies
- e. Presence of bilateral basal late inspiratory crepitation

55) All the following occupations are at high risk for contracting COVID 19 EXCEPT?

- a. Health care workers in long term care facilities, and emergency departments
- b. Health care workers in acute care hospitals, rehabilitation hospitals
- c. People caring for individuals with a Zika virus
- d. Health care workers who work close to their clients or patients with a severe coronavirus
- e. Persons living with individuals with a severe coronavirus

56) Standard recommendations from the World Health Organization to prevent transmission of a coronavirus include all the followings EXCEPT?

- a. Frequently clean hands by using alcohol-based hand rub or soap and water
- b. When coughing and sneezing cover mouth and nose with flexed elbow or tissue
- c. Avoid close contact with anyone who has a fever and cough
- d. If you have fever, cough and difficulty breathing, seek medical care early and share previous travel history with your health care provider
- e. The consumption of raw or undercooked animal products should be encouraged

57) Keeping health records for each employee is important in the following reasons EXCEPT?

- a. Detecting morbidity and mortality rates of any health problem
- b. Estimating the factory's budget
- c. Planning of Industrial health program
- d. Detecting the trends of health and disease in the factory
- e. Appraising the industrial health program

58) The severity of occupational deafness is related to the followings factors EXCEPT?

- a. The duration of exposure
- b. Individual gender
- c. The Intensity of the sound
- d. The frequency of sound waves
- e. The type of noise either continuous noise or impact noise

59) The screening test measuring the lead poisoning is ?

- a. Lead in blood
- b. Lead in urine
- c. Coproporphyrin in urine
- d. Amino-levulinic acid in urine
- e. Basophilic stippling of RBC

60) Maximum permissible level of occupational exposure to mercury is?

- a. 0.01 mg/cubic meter of air averaged
- b. 0.04 mg/cubic meter of air
- c. 0. 4 mg/cubic meter of air
- d. 1 mg/cubic meter of air averaged
- e. 0. 1 mg/cubic meter of air averaged

بالتوفيق للجميع

